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* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	May 12 EXTEND option available in structure searching
NEWS	4	May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus
NEWS	6	May 27 Caplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS	8	Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS	9	Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	10	Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	11	AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	12	AUG 02 Caplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13	AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS	14	AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	15	AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS	16	AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	17	AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	18	SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS	19	SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	20	SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS EXPRESS		JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:02:13 ON 08 SEP 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:02:26 ON 08 SEP 2004

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STRUCTURE FILE UPDATES: 7 SEP 2004 HIGHEST RN 741217-26-5

DICTIONARY FILE UPDATES: 7 SEP 2004 HIGHEST RN 741217-26-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e adipic acid/cn

E1 1 ADIPIC ACI-1,4-CYCLOHEXANEDICARBOXYLIC ACID-DESMODUR N 3300-
HEXAHYDROPHTHALIC ANHYDRIDE-NEOPENTYL GLYCOL-ISOPHTHALIC ACI
D-TRIMETHYLOLPROPANE COPOLYMER/CN
E2 1 ADIPIC ACI-ADIPIC ACID HEXAMETHYLENEDIAMINE SALT-ISOPHTHALIC
ACID HEXAMETHYLENEDIAMINE SALT COPOLYMER/CN
E3 1 --> ADIPIC ACID/CN
E4 1 ADIPIC ACID (1,4-BUTANEDICARBOXYLIC ACID, HEXANEDIOIC ACID),
BIS(2,3-DIHYDROXYPROPYL) ESTER, POLYMER/CN
E5 1 ADIPIC ACID 1,4-BUTANEDIAMINE SALT HOMOPOLYMER/CN
E6 1 ADIPIC ACID 1,4-BUTANEDIOL-BUTYL ACRYLATE-BUTYL METHACRYLATE
-HYDROXYPROPYL METHACRYLATE-MALEIC ANHYDRIDE-METHACRYLIC ACI
D-METHYL METHACRYLATE COPOLYMER/CN
E7 1 ADIPIC ACID 1,4-BUTANEDIOL-N,N'-DIMETHYLHYDRAZINE-ISOPROPYLI
DENE DICYCLOHEXYL-4,4'-DIISOCYANATE/CN
E8 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT/CN
E9 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT POLYMER/C
N
E10 1 ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT POLYMER,
SRU/CN
E11 1 ADIPIC ACID 2,5-DIMETHYLHEXAMETHYLENEDIAMINE SALT/CN
E12 1 ADIPIC ACID 2-METHYLIMIDAZOLE SALT (1:1)/CN

=> e3

L1 1 "ADIPIC ACID"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 124-04-9 REGISTRY

CN Hexanedioic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN **Adipic acid (8CI)**

OTHER NAMES:

CN 1,4-Butanedicarboxylic acid

CN 1,6-Hexanedioic acid

CN Acifloctin

CN Acinetten

CN Adilactetten

CN Asapic

CN E 355

CN Inipol DS

CN NSC 7622

CN NSC 87836

FS 3D CONCORD

MF C6 H10 O4

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

HO₂C-(CH₂)₄-CO₂H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12549 REFERENCES IN FILE CA (1907 TO DATE)

2713 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

12563 REFERENCES IN FILE CAPLUS (1907 TO DATE)

12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.62	6.83

FILE 'REGISTRY' ENTERED AT 11:02:52 ON 08 SEP 2004
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DICTIONARY FILE UPDATES: 7 SEP 2004 HIGHEST RN 741217-26-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> 11

L2 1 "ADIPIC ACID"/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.85	11.68

FILE 'CAPLUS' ENTERED AT 11:03:12 ON 08 SEP 2004
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FILE COVERS 1907 - 8 Sep 2004 VOL 141 ISS 11
FILE LAST UPDATED: 7 Sep 2004 (20040907/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 11

L3 12573 L1

=> dry?

L4 660820 DRY?

=> 13(1)14

L5 98 L3(L)L4

=> d 15 88-98 ti

L5 ANSWER 88 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Adipic acid by oxidation of cyclohexanol-cyclohexanone mixtures

L5 ANSWER 89 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Quick-drying, synthetic resin-containing coating compositions

L5 ANSWER 90 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Metal primers comprising partial fatty acid esters of styrene-allyl alcohol copolymers and adipic acid

L5 ANSWER 91 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Dry gelatin dessert

L5 ANSWER 92 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Alkyd resins

L5 ANSWER 93 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Polyurethane dormant mix and method of forming a foamed polyurethane

L5 ANSWER 94 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Polyester resin paints. V. Resins modified with unsaturated fatty acids

L5 ANSWER 95 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Processes for drying some powdered polymeric materials in boiling layers and in the suspended state

L5 ANSWER 96 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Adipic acid composition

L5 ANSWER 97 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Spray-drying soluble, fusible polymers of unsaturated esters

L5 ANSWER 98 OF 98 CAPLUS COPYRIGHT 2004 ACS on STN
TI Drying binders for lacquers

=> iclu?

L6 17 ICLU?

=> inclu?

L7 1624110 INCLU?

=> 15 and 17

L8 5 L5 AND L7

=> d 18 1-5 ti

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Development of a vibrofluidized bed and fluid-dynamic study with dry and wet adipic acid

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI New process for the production of dry hexamethylenediammonium adipate

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Dry-operative sodium-selective electrode for aqueous fluids

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Kinetics of reversible bonding of amine to a polymer chain during polyesterification of adipic acid and diethylene glycol

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fungistatic compounds in broiler production. 4. Microbiological and physical characteristics of litter

=> d l8 1-2 ti fbib abs

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Development of a vibrofluidized bed and fluid-dynamic study with dry and wet adipic acid
AN 2003:793064 CAPLUS
DN 140:17850
TI Development of a vibrofluidized bed and fluid-dynamic study with dry and wet adipic acid
AU Silva-Moris, V. A.; Rocha, S. C. S.
CS Laboratory of Fluid-dynamic and Drying, Chemical Engineering School, DTF/FEQ/UNICAMP, State University of Campinas, Campinas - SP, 13083-970, Brazil
SO Brazilian Journal of Chemical Engineering (2003), 20(4), 423-434
CODEN: BJCEFZ; ISSN: 0104-6632
PB Brazilian Society of Chemical Engineering
DT Journal
LA English
AB The vibrofluidized bed developed consisting of a transparent plexiglass tube with an inner diameter of 0.1 m and a height of 0.5 m, was designed for the fluidization of adipic acid. The fluidization behavior of dry adipic acid with particle diams. in the range of 75 - 600 µm and a d. of 1340kg/m³ was studied using mech. vibration for different sample loads. Variables studied for the wet material **include** frequency and amplitude of vibration and moisture content of the particles. On the basis of the quant. flow curve data and visual observations, it is concluded that the fluid dynamics of the bed with wet sticky particles, both vibrating and not vibrating, is different from that of the bed with dry particles.

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI New process for the production of dry hexamethylenediammonium adipate
AN 2003:187612 CAPLUS
DN 138:385765
TI New process for the production of dry hexamethylenediammonium adipate
AU Papaspyrides, C. D.; Vouyiouka, S. N.; Bletsos, I. V.
CS Laboratory of Polymer Technology, School of Chemical Engineering, National Technical University of Athens, Athens, 157 80, Greece
SO Journal of Applied Polymer Science (2003), 88(5), 1252-1257
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
AB A simple and easy technique is proposed for the preparation of dry hexamethylenediammonium adipate (HMA salt), using conventional dry-blending equipment. The process **includes** contacting adipic acid and hexamethylenediamine in the presence of a cryogenic medium (solid CO₂ or liquid N₂), which is used to depress the exotherm of the salt formation. The purpose is the formation of free-flowing HMA salt with good homogeneity and balanced end groups. Critical parameters were studied, such as the nature and amount of cryogenic agent and the presence of water

traces in the reacting mixture Application in an industrial scale seems feasible so that all advantages of handling dry HMA salt instead of its components (adipic acid powder and hexamethylenediamine liquid) can be utilized for the subsequent production of nylon 66.

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> save temp all adipic/l
L# LIST L1-L8 HAS BEEN SAVED AS 'ADIPIC/L'

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.16	29.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.40	-1.40

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:06:43 ON 08 SEP 2004

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